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FEB 02 2005

Title of Invention	SIMULTANEOUS MULTI-BEAM PLANAR ARRAY IR (PAIR) SPECTROSCOPY																																		
Submission Type:	Information Disclosure Statement																																		
Application Number:	10/708927	*10/708927*																																	
EFS ID:	74308																																		
Server Response:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Confirmation Code</th> <th style="width: 80%;">Message</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">ISVR1</td> <td style="padding: 2px;">Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td style="padding: 2px;">ICON1</td> <td style="padding: 2px;">2926</td> </tr> <tr> <td style="padding: 2px;">USPTOEFSNotice</td> <td style="padding: 2px; height: 100px; vertical-align: top;"> <p>The documents provided in this submission were accepted by the USPTO. However, the fees associated with new utility and provisional Electronic Filing System (EFS) submission were not accepted by our automated systems because the USPTO software has not yet been updated for the fee structure and amounts required by the Consolidated Appropriations Act, 2005, Section 801, of Division B. In due course a corrected fee may be assessed due to changes associated with the Appropriations Act. We will charge the amount indicated in your submission. If at least the basic filing fee accompanied a new utility or provisional EFS submission, then no surcharge based on fee deficiency will be applied when any fee deficiency is paid. For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number: 1866 217-9197 Website: www.uspto.gov/ebc/</p> </td> </tr> </tbody> </table>		Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	2926	USPTOEFSNotice	<p>The documents provided in this submission were accepted by the USPTO. However, the fees associated with new utility and provisional Electronic Filing System (EFS) submission were not accepted by our automated systems because the USPTO software has not yet been updated for the fee structure and amounts required by the Consolidated Appropriations Act, 2005, Section 801, of Division B. In due course a corrected fee may be assessed due to changes associated with the Appropriations Act. We will charge the amount indicated in your submission. If at least the basic filing fee accompanied a new utility or provisional EFS submission, then no surcharge based on fee deficiency will be applied when any fee deficiency is paid. For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number: 1866 217-9197 Website: www.uspto.gov/ebc/</p>																									
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First Named Applicant:	Douglas Elmore																																		
Attorney Docket Number:	11657-00004-US																																		
Timestamp:	2004-12-15 19:02:04 EDT																																		
From:	US																																		
File Listing:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Doc. Name</th> <th style="width: 60%;">File Name</th> <th style="width: 20%;">Size (Bytes)</th> </tr> </thead> <tbody> <tr> <td>us-lds</td> <td>1165700004US-us-lds.xml</td> <td>1036</td> </tr> <tr> <td>us-lds</td> <td>us-lds.dtd</td> <td>7769</td> </tr> <tr> <td>us-lds</td> <td>us-lds.xls</td> <td>12026</td> </tr> <tr> <td>us-fee-sheet</td> <td>1165700004US-us/fea.xml</td> <td>1368</td> </tr> <tr> <td>us-fee-sheet</td> <td>us-fee-sheet.dtd</td> <td>10032</td> </tr> <tr> <td>us-fee-sheet</td> <td>us-fee-sheet.xls</td> <td>24912</td> </tr> <tr> <td>package-data</td> <td>1165700004US-pkds.xml</td> <td>2460</td> </tr> <tr> <td>package-data</td> <td>package-data.dtd</td> <td>27025</td> </tr> <tr> <td>package-data</td> <td>us-package-data.xls</td> <td>18263</td> </tr> <tr> <td></td> <td>Total file size</td> <td>105904</td> </tr> </tbody> </table>		Doc. Name	File Name	Size (Bytes)	us-lds	1165700004US-us-lds.xml	1036	us-lds	us-lds.dtd	7769	us-lds	us-lds.xls	12026	us-fee-sheet	1165700004US-us/fea.xml	1368	us-fee-sheet	us-fee-sheet.dtd	10032	us-fee-sheet	us-fee-sheet.xls	24912	package-data	1165700004US-pkds.xml	2460	package-data	package-data.dtd	27025	package-data	us-package-data.xls	18263		Total file size	105904
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TRANSMITTAL

Electronic Version
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Title of Invention	SIMULTANEOUS MULTI-BEAM PLANAR ARRAY IR (PAIR) SPECTROSCOPY
Application Number:	10/708927 *10/708927*
Date:	2004-04-01
First Named Applicant:	Douglas L Elmore
Confirmation Number:	2926
Attorney Docket Number:	11057-00004-US
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>	
Submitted by:	Elec. Sign.
Larry J. Hume Registered Number: 44,163	Jjh/

FEB. 2. 2005 4:10PM

CBL&H 202 293 6229

NO. 2267 P. 6/40
Page 2 of 2

Documents being submitted

us-ids

us-fee-sheet

Files

1165700004US-usidst.xml

us-ids.dtd

us-ids.xsl

1165700004US-usfees.xml

us-fee-sheet.dtd

us-fee-sheet.xsl

Comments

IPDAS Version 3.56.3.0, Validation Version 1.2.0.1, Submission Version 1.3.4.6

FEE TRANSMITTAL

Electronic Version v09
 Stylesheet Version v08.0

Title of Invention	SIMULTANEOUS MULTI-BEAM PLANAR ARRAY IR (PAIR) SPECTROSCOPY										
Application Number:	10/708927 *10/708927*										
Date:	2004-04-01										
First Named Applicant:	Douglas L. Elmora										
Attorney Docket Number:	11657-00004-US										
Art Unit:	2878										
Examiner:	C. Hannaher										
TOTAL FEE AUTHORIZED \$180											
Patent fees are subject to annual revisions on or about October 1st of each year.											
BASIC FILING FEE											
<table border="1"> <thead> <tr> <th>Fee Description</th> <th>Fee Code</th> <th>Amount \$</th> <th>Fee Paid \$</th> </tr> </thead> <tbody> <tr> <td>Submission Of Information Disclosure Stmt Fee</td> <td>1806</td> <td>180</td> <td>180</td> </tr> </tbody> </table>				Fee Description	Fee Code	Amount \$	Fee Paid \$	Submission Of Information Disclosure Stmt Fee	1806	180	180
Fee Description	Fee Code	Amount \$	Fee Paid \$								
Submission Of Information Disclosure Stmt Fee	1806	180	180								
AUTHORIZED BILLING INFORMATION											
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:											
Deposit account number: 220185											
Access Code: ***											
Deposit name: Connolly Bove Lodge & Hutz LLP											
Deposit authorized name: Larry J. Hurne											
Signature: /ljh/											
Date (YYYYMMDD): 2004-12-15											

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
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Title of Invention	SIMULTANEOUS MULTI-BEAM PLANAR ARRAY IR (PAIR) SPECTROSCOPY						
Application Number:	10/708927 *10/708927*						
Confirmation Number:	2926						
First Named Applicant:	Douglas Elmore						
Attorney Docket Number:	11657-00004-US						
Art Unit:	2878						
Examiner:	C. Hannather						
Search string:	(5828450).pn.						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	AA	5828450	1998-10-27	Dou et al.			
Signature							
Examiner Name				Date			

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TO:

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DATE: December 15, 2004	FROM: CONNOLLY BOVE LODGE & HUTZ LLP	TO: 202 293 6229 P. 00/31
PTO IDENTIFIER: Application Number 10/708,927-Conf. #2926		
Patent Number		
Inventor: Douglas L. Elmick et al.		
MESSAGE TO: US Patent and Trademark Office		
FAX NUMBER(S): (703) 872-9306		
FROM: CONNOLLY BOVE LODGE & HUTZ LLP		
Larry J. Hurte		
PHONE: (202) 331-7111		
Attorney Dkt. #: 11057-00004-L5		
PAGES (including Cover Sheets): 31		
CONTENTS: IDS (Clarification) by Applicant (3 References) (1 page) Dow U.S. co-23 shows published (16 pages) Information Disclosure Statement (2 pages) Certificate of Transmission (1 page)		
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PAGE 101 *RCVD AT 12/15/2004 7:20:42 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:202 293 6229 * DURATION (mm:ss):11:50

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DATE: December 15, 2004

PTO IDENTIFIER: Application Number 10/708,927-Conf. #2926

Patent Number

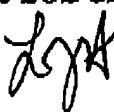
Inventor: Douglas L. Elmore et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (703) 872-9306

FROM: CONNOLLY BOVE LODGE & HUTZ LLP

Larry J. Hume



PHONE: (202) 331-7111

Attorney Dkt. #: 11657-00004-US

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Attorney Docket No.: 11657-00004-US

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Docket No.: 11657-00004-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Douglas L. Elmore et al.

Confirmation No.: 2926

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FEB 02 2005

Application No.: 10/708,927

Filed: April 1, 2004

Art Unit: 2878

For: **SIMULTANEOUS MULTI-BEAM PLANAR
ARRAY IR (PAIR) SPECTROSCOPY**

Examiner: C. Hannaher

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

371970

Application No.: 10/708,927

Docket No.: 11657-00004-US

A copy of only the non-US Patent reference listed below is attached:

For. Doc No.	Ctry	Patentee/Applicant	Publication Date
0 756 169	EP	Kyoto Daiichi Kagaku KK	January 29, 1997

A concise explanation of relevance of the items listed on form PTO/SB/08 is that each listed item was cited by a foreign patent office in a related application.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0185, under Order No. 11657-00004-US.

Dated: December 15, 2004

Respectfully submitted,

By Larry J. Hume
Larry J. Hume

Registration No.: 44,163
CONNOLLY BOVE LODGE & HUTZ LLP
1990 M Street, N.W., Suite 800
Washington, DC 20036-3425
(202) 331-7111
(202) 293-6229 (Fax)
Attorney for Applicant

PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	10/708,927-Conf. #2926
				Filing Date	April 1, 2004
				First Named Inventor	Douglas L. Elmore
				Art Unit	2878
				Examiner Name	C. Hannaher
Sheet	1	of	1	Attorney Docket Number	11657-00004-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	US-6,204,919-B1	03-20-2001	YOAV BARSHAD		
AB	US-4,691,110-A	09-01-1987	WOLFGANG NEBE		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BA	EP-0 756 169-A2	01-29-1997	Kyoto Daicchi Kagaku KK		T ⁶

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NON PATENT LITERATURE DOCUMENTS					
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Examiner Signature S71AGA		Date Considered
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